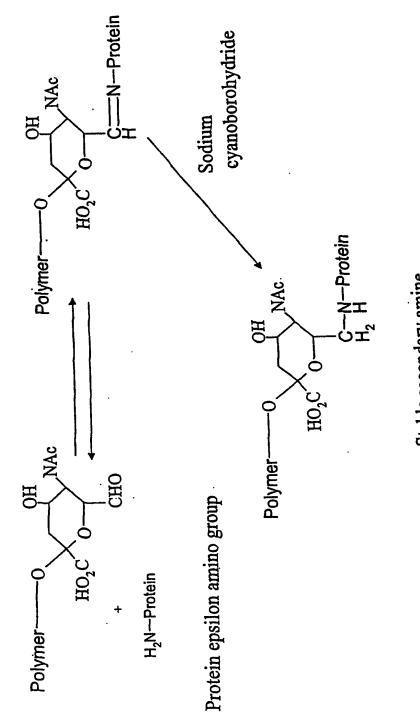
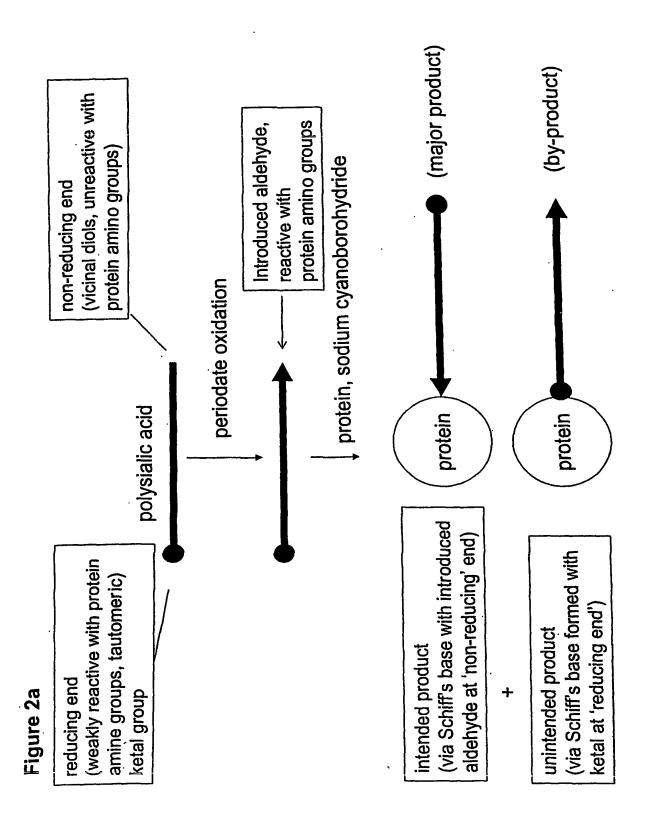
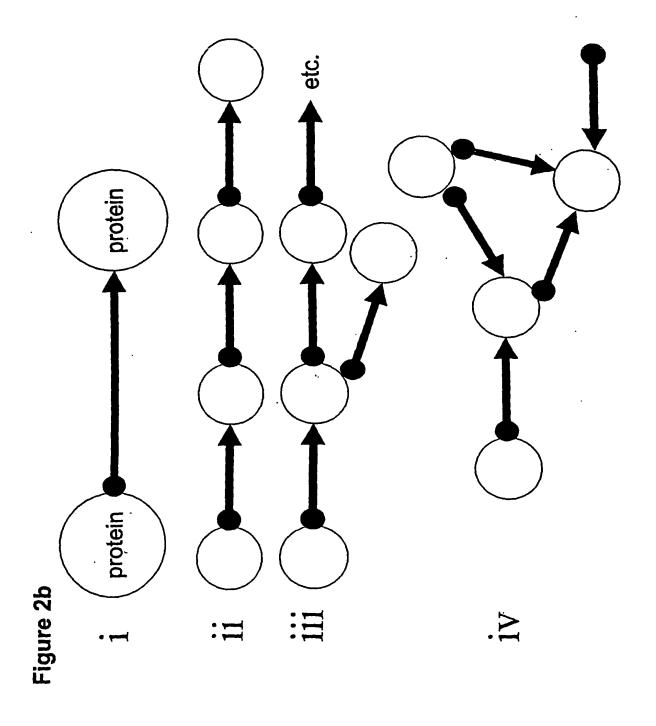
Figure 1b

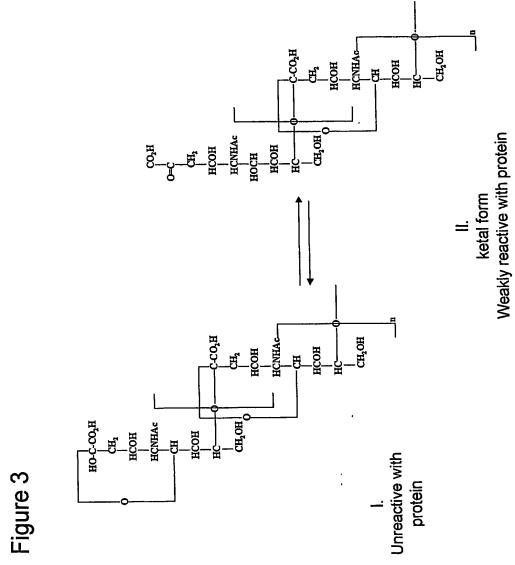
Oxidised CA



Stable secondary amine







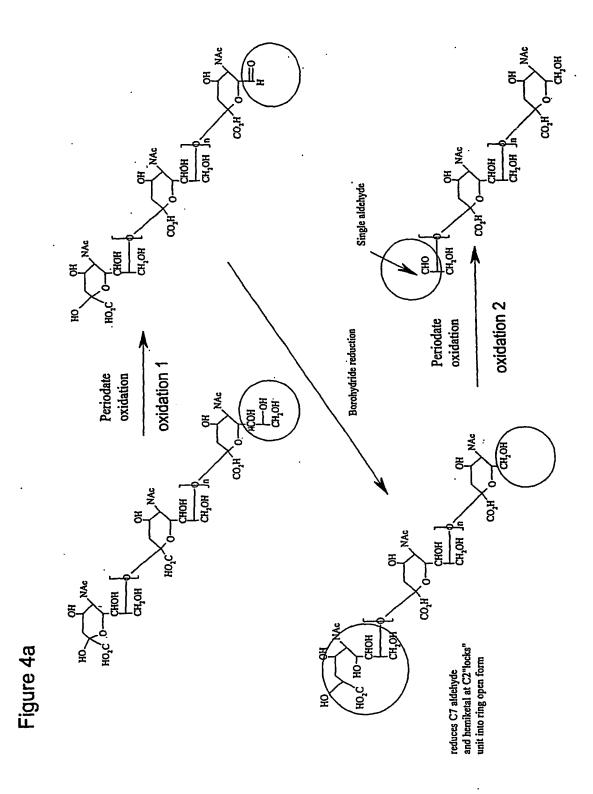
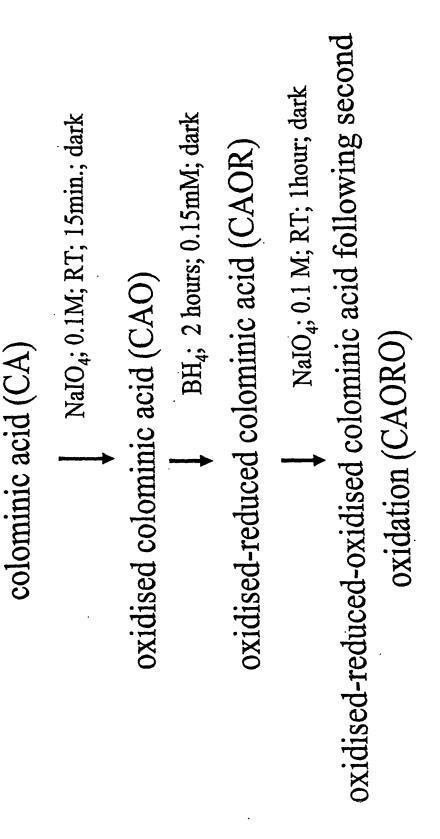
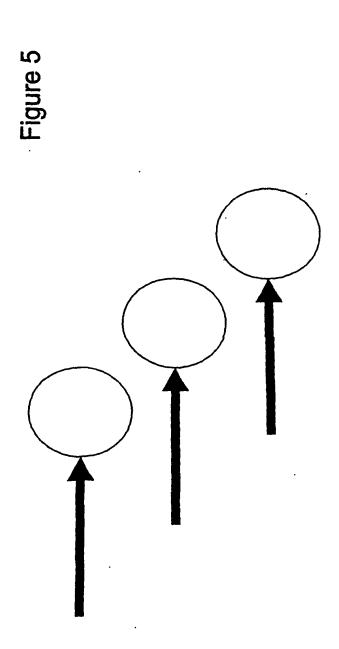
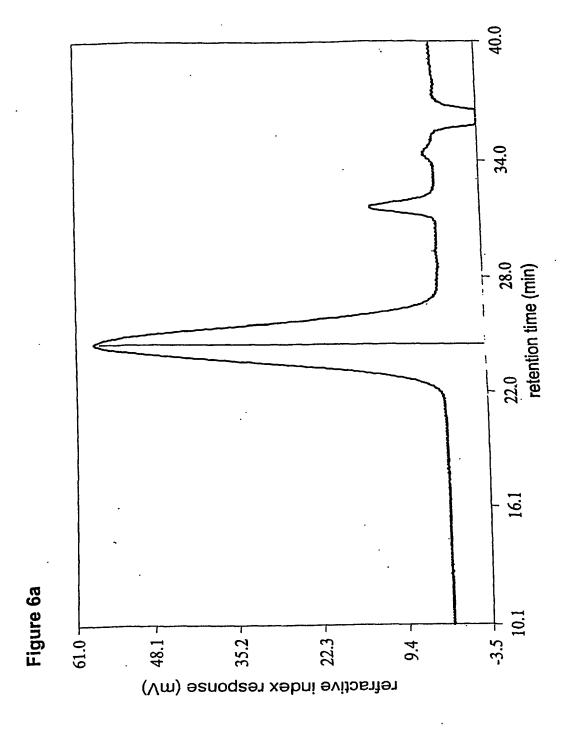


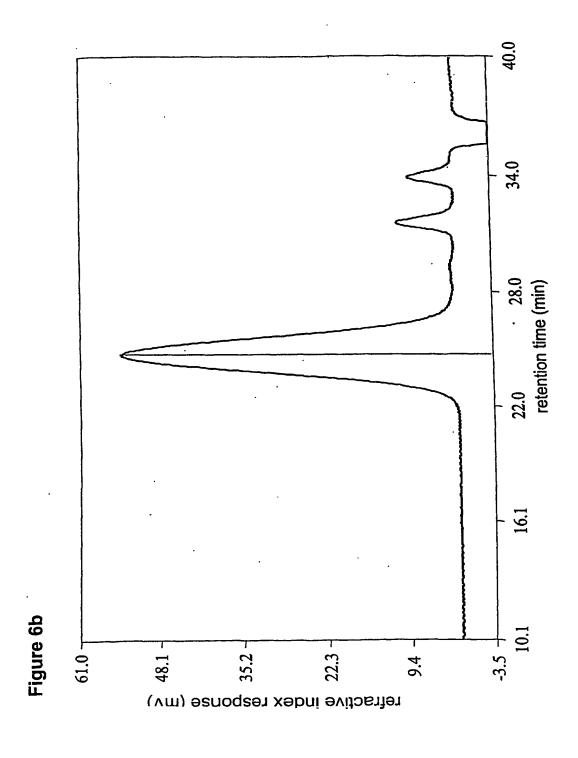
Figure 4b



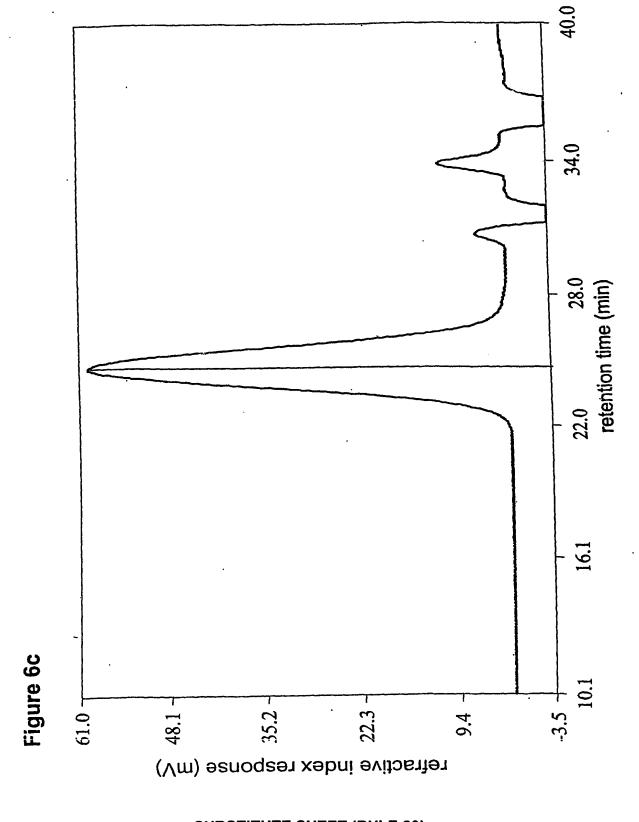


Monofunctional polysialic acid cannot form unintended by-products described for periodate-oxidised natural polysialic acid in Fig. 1

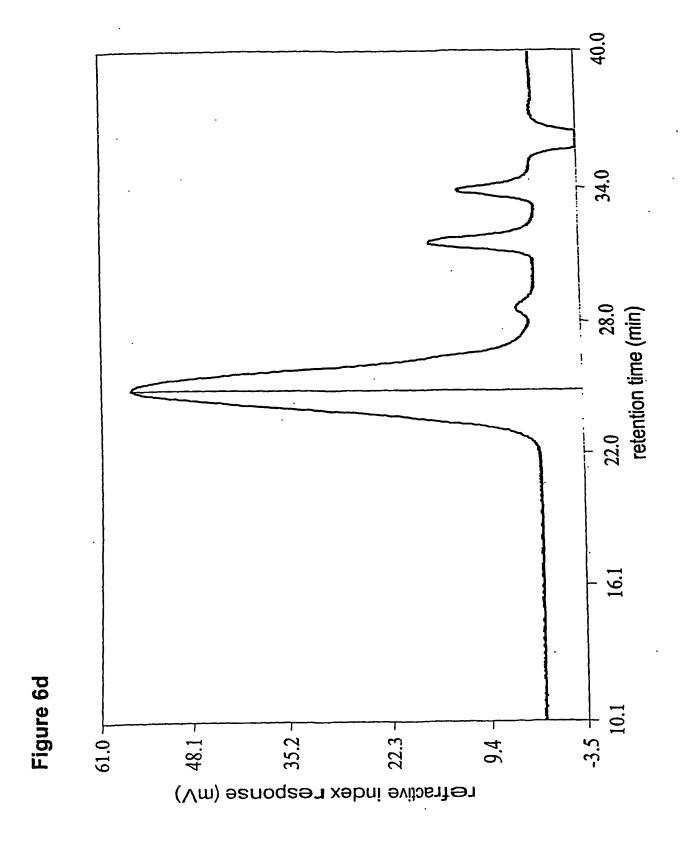




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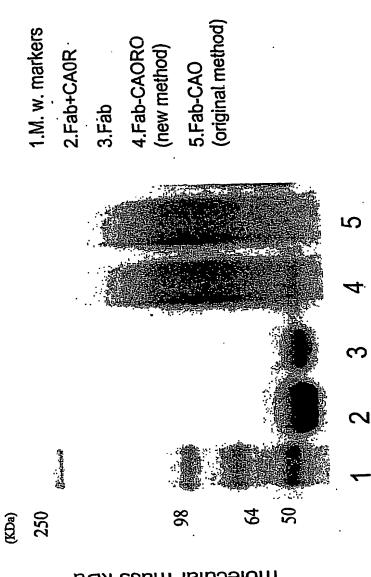


**SUBSTITUTE SHEET (RULE 26)** 



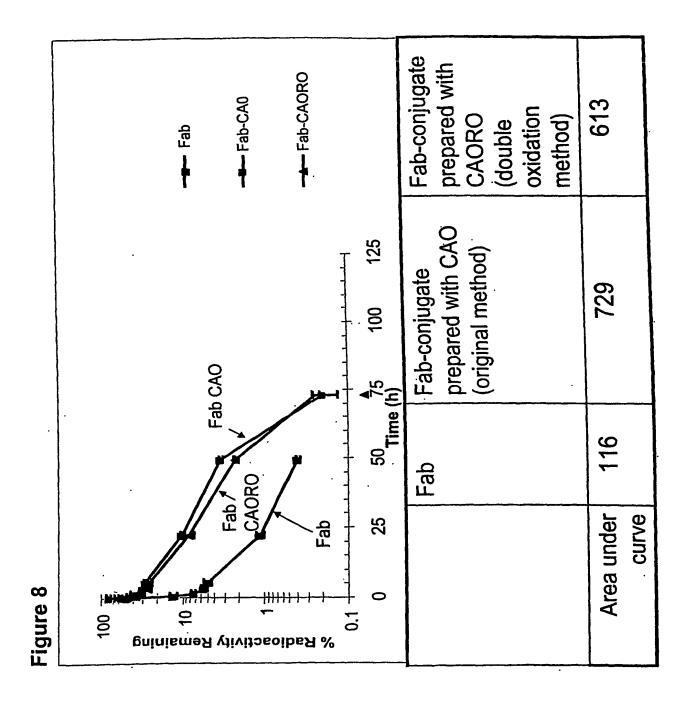
**SUBSTITUTE SHEET (RULE 26)** 



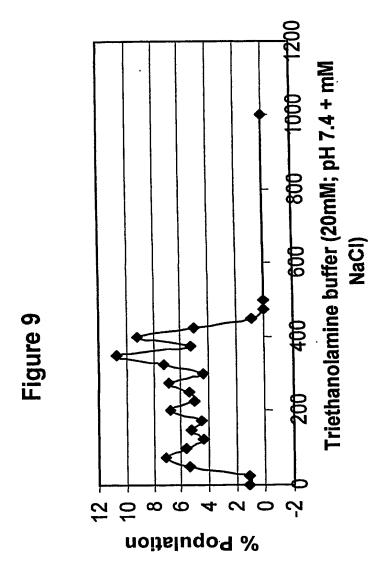


molecular mass kDa

WO 2005/016974



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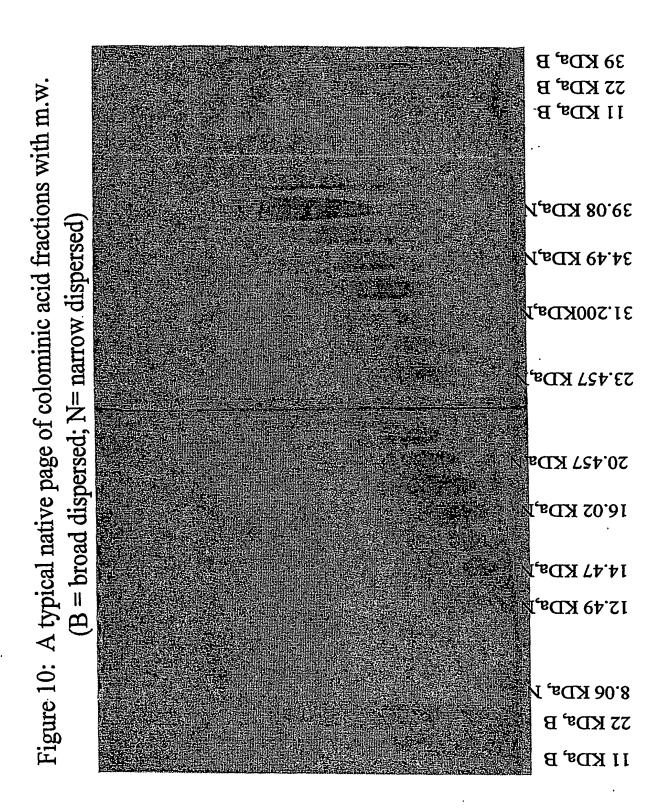
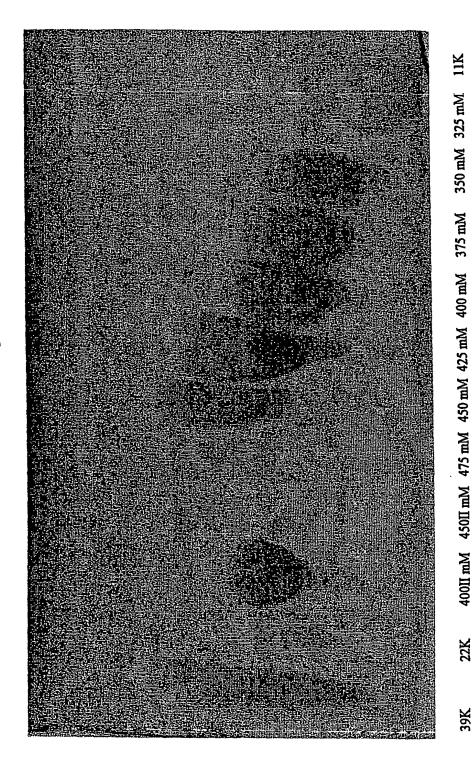


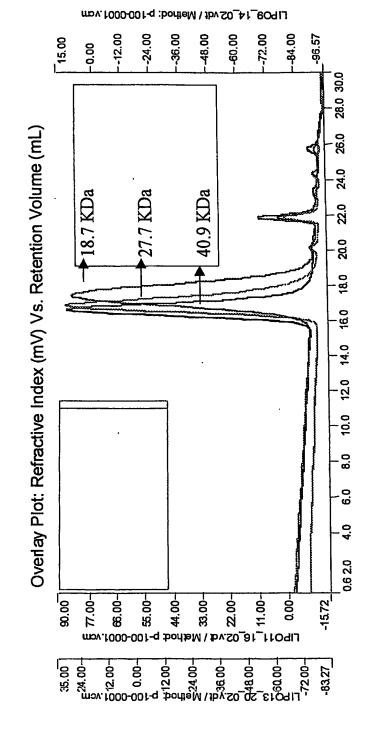
Figure 11



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WO 2005/016974 PCT/O

Figure 12: A typical GPC chromatogram for CA fractions



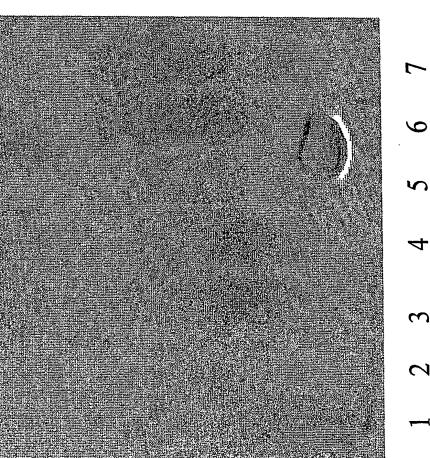
Retention Volume (mL)

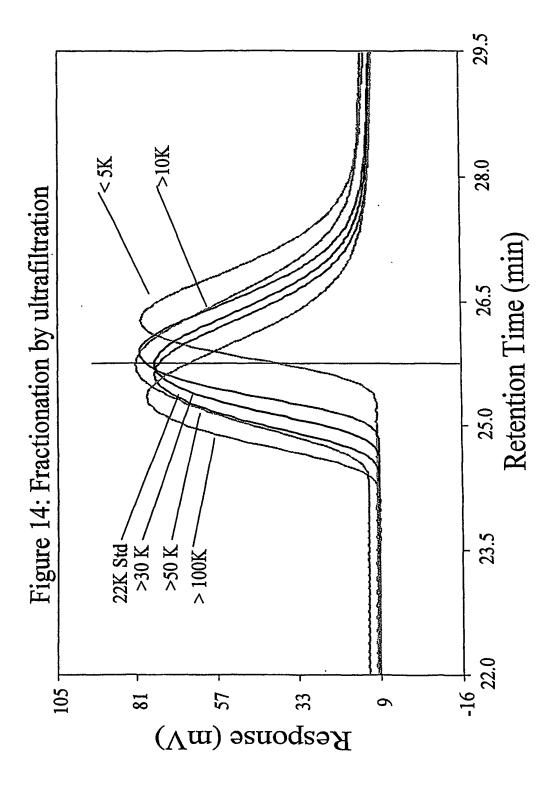
**SUBSTITUTE SHEET (RULE 26)** 

Figure 13: Colominic acid samples from different steps of fractionation

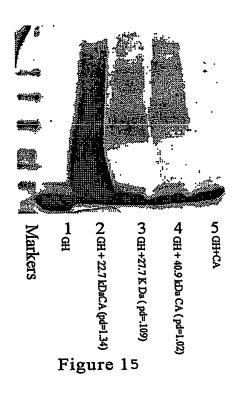


- 2) 32.2 kDa from IEC
- 3) 32.2 kDa ultrafiltered
- 4) 32.2 kDa post oxidation
- 5) 40.9 KDa from IEC
- 6) 40.9 KDa ultrafiltered
- 7) 4.90 KDa post oxidation





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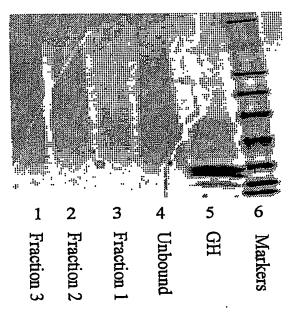


Figure 16

## **SUBSTITUTE SHEET (RULE 26)**



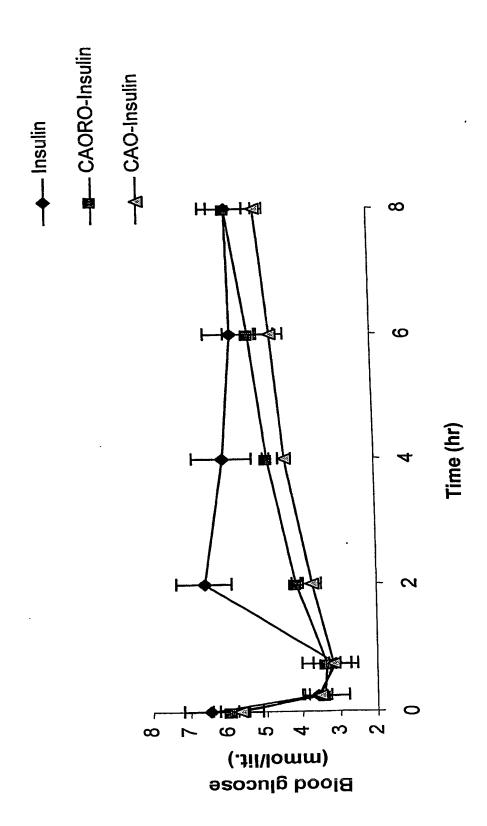


Table 6: Ion exchange chromatography of CA22.7: Scale up (900 matrix)

Sample (in 20mM	M.W. (Pd)	M.W. (Pd)
buffer+mM NaCl, pH7.4)	12.5 g batch	25 g batch
350 mM	15490 (1.008)	10.470 (1.173)
375 mM	19960 (1.010)	24659 (1.019)
400 mM	25829 (1.019)	29573 (1.018)
425 mM	33763 (1.023)	34160 (1.011)
450 mM	46880 (1.058)	44400 (1.013)
475 mM		28500 (1.376)